Date:

Wednesday, 11/03/2009 12:58:47 PM

User:

Julie Dawson

**Process Sheet** 

Customer Job Number : CU-DAR001 Dart Helicopters Services

: 46431

**Estimate Number** 

: 10175

P.O. Number

: 11/03/2009 This Issue

Prsht Rev. : NC

First Issue

: //

: 43844

Type

S.O. No. :

: MACHINED PARTS

Part Number

**Drawing Number** 

**Due Date** 

**Drawing Name** 

: D2570

: D2570 REV B : N/A

: BUSHING

**Project Number** 

: B

**Drawing Revision** 

Material

: 04/04/2009

Qty:

400 Um: Each

Written By Checked & Approved By

Comment

**Previous Run** 

Re-format; Removed finishing; Material change K

E 02.08.29

est F 07.07.06 rev B dwg EC

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

1.0

M303R0750

303 Round Bar 0.750



Comment: Qty.:

0.0810 f(s)/Unit Total:

32.3820 f(s) 👍 Material: Ø0.750 AISI 303 SS Rod (M303R0.750)

Batch/1/6 680



2.0

HARDINGE

Comment: HARDINGE CNC LATHE SMALL

Machine as per folio FA258

Deburr

09/03/13



3.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

09/03/13



4.0

QC8

SECOND CHECK





Comment: SECOND CHECK

PACKAGING RESOURCE #1



5.0

**PACKAGING 1** 

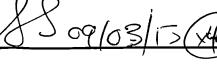


Comment: PACKAGING RESOURCE #1

Location:



Identify and Stock



Page 1

Form: rprocess

| Dart Aerospa | ce Ltd |  |
|--------------|--------|--|
|--------------|--------|--|

|      | WORK ORDER C          |  |                          |  |                       |   |   |  |                          |
|------|-----------------------|--|--------------------------|--|-----------------------|---|---|--|--------------------------|
| STEP | PROCEDURE CHANGE By D |  | By Date                  |  | By Date Qty Chief Eng |   | By Date Qty Approval Chief Eng / Prod Mgr QC Ir |  | Approval<br>QC Inspector |
|      |                       |  |                          |  |                       |   |   |  |                          |
|      |                       |  |                          |  |                       |   |   |  |                          |
|      |                       |  |                          |  |                       |   |   |  |                          |
|      |                       |  |                          |  |                       |   |   |  |                          |
|      | STEP                  |  | STEP PROCEDURE CHANGE By |  |                       | STEP PROCEDURE CHANGE By Date Qty Chief Eng / |   |  |                          |

| Part No:    | PAR #: | Fault Category: | NCR: Yes No DQA: | Date: |
|-------------|--------|-----------------|------------------|-------|
| Resolution: |        | Disposition:    | QA: N/C Closed:  | Date: |

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                      |                              |                |           |                       |              |  |
|------|------|----------------------------------|----------------------|------------------------------|----------------|-----------|-----------------------|--------------|--|
|      |      | Description of NC                |                      | Verification                 | Anneoval       | Approval  |                       |              |  |
| DATE | STEP | Section A                        | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Section C | Approval<br>Chief Eng | QC Inspector |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      | -    |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |
|      |      |                                  |                      |                              |                |           |                       |              |  |

NOTE: Date & initial all entries

Date:

Wednesday, 11/03/2009 12:58:47 PM

User:

Julie Dawson

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BUSHING

Job Number: 46431

Part Number: D2570

Job Number:



Seq. #:

**Machine Or Operation:** 

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE







Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



h gg. B.13

## **Dart Aerospace Ltd**

| W/O:    |      |           | WORK ORDER         | CHANGES     |       |              |     |                                     | · · · · · · · · · · · · · · · · · · · |
|---------|------|-----------|--------------------|-------------|-------|--------------|-----|-------------------------------------|---------------------------------------|
| DATE    | STEP | PR        | OCEDURE CHANGE     | - 1         | Ву    | Date         | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector              |
|         |      |           |                    |             |       |              |     |                                     |                                       |
|         |      |           |                    |             |       |              |     |                                     |                                       |
|         |      |           |                    |             |       |              | -   |                                     |                                       |
|         |      |           |                    |             |       |              |     |                                     |                                       |
|         |      |           |                    |             |       |              |     |                                     |                                       |
| Part No | :    | PAR #:    | Fault Category:    | NCR:        | Yes   | No <b>DQ</b> | A:  | _ Date: _                           |                                       |
|         | Res  | solution: | Disposition:       | QA: N       | VC CI | osed:        |     | Date:                               | ····                                  |
| NCR:    |      |           | WORK ORDER NON-COM | FORMANCE (  | (NCR  | )            |     |                                     |                                       |
|         |      |           | Corrective Action  | n Section B |       |              |     |                                     | ]                                     |

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                      |                              |                |              |                       |                         |  |  |
|------|------|----------------------------------|----------------------|------------------------------|----------------|--------------|-----------------------|-------------------------|--|--|
|      |      | Description of NC                |                      | Corrective Action Section B  |                | Verification | Anneoval              | Annuoval                |  |  |
| DATE | STEP | Section A                        | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Section C    | Approval<br>Chief Eng | Approval<br>QC Inspecto |  |  |
|      |      |                                  |                      |                              | į              |              |                       |                         |  |  |
|      |      |                                  |                      |                              |                |              |                       |                         |  |  |
|      |      |                                  |                      |                              |                |              |                       |                         |  |  |
|      |      |                                  |                      |                              |                |              | V 1                   |                         |  |  |
|      |      |                                  |                      |                              |                |              |                       |                         |  |  |
|      |      |                                  |                      |                              |                |              |                       |                         |  |  |
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|      |      |                                  |                      |                              |                |              |                       |                         |  |  |
|      |      |                                  |                      |                              |                |              |                       |                         |  |  |

NOTE: Date & initial all entries

| DART AEROSPACE LTD           | Work Order:  | 4643/       |
|------------------------------|--------------|-------------|
| Description: Bushing         | Part Number: | D2570       |
| Inspection Dwg: D2570 Rev: B |              | Page 1 of 1 |

## FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

| Drawing<br>Dimension | Tolerance                             | Actual<br>Dimension | Accept | Reject   | Method of<br>Inspection | Comments |
|----------------------|---------------------------------------|---------------------|--------|----------|-------------------------|----------|
| 0.800                | +/-0.010                              | ,802                |        |          |                         |          |
| 0.060                | +/-0.005                              | e0615               |        |          |                         |          |
| R0.010               | +0.010/-0.000                         | , 615               |        |          |                         |          |
| Ø0.425               | +0.000/-0.002                         | ,423                |        |          |                         |          |
| Ø0.257               | +0.006/-0.001                         | , 260               |        |          |                         |          |
| Ø0.750               | +/-0.010                              | 1748                |        |          |                         |          |
| 0.030 x 20°          | +/-0.010                              | 033XZ0°             |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
| ·                    |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        | <u> </u> |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      |                                       |                     |        |          |                         |          |
|                      | · · · · · · · · · · · · · · · · · · · |                     |        |          |                         |          |
| •                    |                                       |                     |        |          |                         |          |

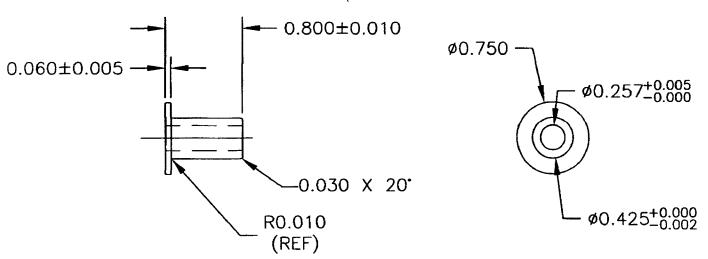
| Measured by:   | Audited by:    | Prototype Approval: | N/A |
|----------------|----------------|---------------------|-----|
| Date: 09/03/11 | Date: 09/03//3 | Date:               |     |

| Rev | Date     | Change                            | Revised by | Approved |
|-----|----------|-----------------------------------|------------|----------|
| A   | 03.12.08 | New Issue                         | KJ/RF      |          |
| В   | 04.02.23 | Tolerance for Ø0.425 changed      | KJ/RF      |          |
| С   | 07.07.17 | Dimensions updated per Dwg Rev. B | KJ/JLM I/A |          |
| D   | 08.07.23 | Tolerance for Ø0.257 revised      | KJ/DD 9    | X        |



|   | DESIG | P#    | DRAWN BY   | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |
|---|-------|-------|------------|---|
| Ī | CHECK | ŒD ,  | APPROVED , | DRAWING NO. REV. B                                |
| ١ |       | 廿     | TH TH      | D2570 SHEET 1 OF 1                                |
| 1 | DATE  |       |            | TITLE SCALE                                       |
|   | 07.0  | )4.17 |            | BUSHING 1:1                                       |
|   | Α     |       | 96.09.16   | NEW ISSUE   |
| ľ | В     |       | 07.04.17   | UPDATE NOTES                                      |

w/o 46431



## D2570 BUSHING

## D2570 BUSHING

1) MATERIAL: AISI 303 ROUND BAR (REF. DART SPEC. M303R)

2) FINISH: NONE

- ALL DIMENSIONS ARE INCHES 3)
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 4)
- BREAK ALL UNMARKED SHARP EDGES TO 0.010 MAX 5)